

AMENDMENTS TO THE CLAIMS:

Please amend claims 7-12, and add new claims 13-23, as shown below.

This listing of claims will replace all prior versions and listings of claims in the
Application:

Claim 1-6 (canceled)

Claim 7 (currently amended): A variable drive current driver circuit, comprising:

a pair of push-pull circuits for driving a load circuit complementarily;

a first current source circuit for having a first bias current ~~flowed~~ flow to said pair of
push-pull circuits;

a second current source circuit for having said first bias current ~~flowed~~ flow from said
pair of push-pull circuits;

a third current source circuit capable of having a second bias current ~~flowed~~ flow to said
pair of push-pull circuits;

a fourth current source circuit capable of having said second bias current ~~flowed~~ flow
from said pair of push-pull circuits; and

a control circuit for varying both said second bias current ~~flowed~~ driven by said third
current source circuit and said second bias current ~~flowed~~ driven by said fourth current source
circuit according to a control signal.

Claim 8 (currently amended): The variable drive current driver circuit according to claim 7,
wherein

HAYES SOLOWAY P.C.
130 W. CUSHING STREET
TUCSON, AZ 85701
TEL. 520.882.7623
FAX. 520.882.7643

175 CANAL STREET
MANCHESTER, NH 03101
TEL. 603.668.1400
FAX. 603.668.8567

said control circuit ~~has said third current source circuit have~~ controls whether said second bias current driven by said third current source flows ~~flowed or not flowed~~ to said pair of push-pull circuits, and

said control circuit ~~has said fourth current source circuit have~~ controls whether said second bias current driven by said fourth current source flows ~~flowed or not flowed~~ from said push-pull circuits.

Claim 9 (currently amended): A variable drive current driver circuit, comprising:

a pair of push-pull circuits for driving a load circuit complementarily;

a first current source circuit for having a first bias current ~~flowed~~ flow to said pair of push-pull circuits;

a second current source circuit for having said first bias current ~~flowed~~ flow from said pair of push-pull circuits;

a third current source circuit capable of having a second ~~bais~~ bias current ~~flowed~~ flow to said pair of push-pull circuits;

a fourth current source circuit capable of having said second bias current ~~flowed~~ flow from said pair of push-pull circuits; and

a control circuit for varying both said second bias current ~~flowed~~ driven by said third current source circuit and said second bias ~~currently flowed~~ current driven by said fourth current source circuit according to a control signal,

wherein each push-pull circuit comprises at least two ~~gate types~~ conductivity types of transistors.

Claim 10 (currently amended): The variable drive current driver circuit according to claim 9, wherein

said control circuit ~~has said third current source circuit have~~ controls whether said second bias current ~~flowed or not flowed~~ driven by said third current source flows to said pair of push-pull circuits, and

said control circuit ~~has said fourth current source circuit have~~ controls whether said second bias current ~~flowed or not flowed~~ driven by said fourth current source flows from said push-pull circuits.

Claim 11 (currently amended): A variable drive current driver circuit, comprising:

a pair of push-pull circuits for driving a load circuit complementarily;

a first current source circuit for having a first bias current ~~flowed~~ flow to said pair of push-pull circuits;

a second current source circuit for having a second bias current ~~flowed~~ flow from said pair of push-pull circuits;

a third current source circuit capable of having a third bias current ~~flowed~~ flow to said pair of push-pull circuits;

a fourth current source circuit capable of having a fourth bias current ~~flowed~~ flow from said pair of push-pull circuits; and

a control circuit for varying both said third bias current ~~flowed~~ driven by said third current source circuit and said fourth bias current ~~flowed~~ driven by said fourth current source circuit according to a control signal.

Claim 12 (currently amended): The variable drive current driver circuit according to claim [[5]] 11, wherein

said control circuit ~~has said third current source circuit have~~ controls whether said third bias current ~~flowed or not flowed~~ driven by said third current source flows to said pair of push-pull circuits, and

said control circuit ~~has said fourth current source circuit have~~ controls whether said fourth bias current ~~flowed or not flowed~~ driven by said third current source flows from said push-pull circuits.

Claim 13 (new): The variable drive current driver circuit according to claim 7,

wherein said control signal is independent of drain voltages of the first to fourth current source circuit.

Claim 14 (new): The variable drive current driver circuit according to claim 7,

wherein said first bias current is a constant current.

Claim 15 (new): The variable drive current driver circuit according to claim 7,

wherein said second bias current is a constant current.

Claim 16 (new): The variable drive current driver circuit according to claim 9,

wherein said control signal is independent of drain voltages of the first to fourth current source circuit.

Claim 17 (new): The variable drive current driver circuit according to claim 9,

wherein said first bias current is a constant current.

Claim 18 (new): The variable drive current driver circuit according to claim 9,

wherein said second bias current is a constant current.

Claim 19 (new): The variable drive current driver circuit according to claim 11,
wherein said control signal is independent of drain voltages of the first to fourth current
source circuit.

Claim 20 (new): The variable drive current driver circuit according to claim 11,
wherein said first bias current is a constant current.

Claim 21 (new): The variable drive current driver circuit according to claim 11,
wherein said second bias current is a constant current.

Claim 22 (new): The variable drive current driver circuit according to claim 11,
wherein said third bias current is a constant current.

Claim 23 (new): The variable drive current driver circuit according to claim 11,
wherein said fourth bias current is a constant current.

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TUCSON, AZ 85701
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FAX. 520.882.7643

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TEL. 603.668.1400
FAX. 603.668.8567